THE OPTICAL

MAGIC LANTERN

JOURNAL

AND

PHOTOGRAPHIC ENLARGER.

Edited by J. HAY TAYLOR.

VOL. II.—JUNE, 1890, to DEC., 1891.

PUBLISHED AT
DORSET WORKS, SALISBURY SQUARE, LONDON, E.C.

1891.

INDEX TO VOL. II.

PAGE

Advantage of large object glasses for lanterns ... 48
Africa, Explosion at 140
American lanterns, Small 26, 43
Aniline colours for painting dry plate slides ... 138
Apparatus at City Exhibition 13
Arc light for projection 41, 53
Artificial light, Copying by 56
Asbestos between lanterns 6

Bags, Taps on gas 7
Beard's regulator 126, 175
Blocking out statuary slides 14
"Bonanza" hand camera 127
British Photographic Union 22
Bromide prints, Toning... 145

Camera obscura 15
Camera Club, New premises of 29
Candle power, Computing 151
Cardiff Exhibition 124
"Chadwick" hand camera 119
Changing slides, Signals for 39
Christmastide reminiscences 186
Chromo-litho slides 64, 67, 77
City Exhibition, Apparatus at 13
Clouds on lantern cover glasses 175
Collodion plates for transparencies, Dry 34
" " " Wet 172
"Collins'" hand camera 83
Colouring lantern slides 130, 136, 144, 153, 170, 179
" " " with aniline... 138
Colours, Plain photographs projected in 82
Comic slide making, Hints on 30
Comments... 95
Comparison of illuminants 19
Compressed gas cylinder fittings 181
Condensers, Triple lantern 90, 183
Copying by artificial light 56
Copying engravings for slides 2
Crystal Palace Exhibition 109
Curiosity, A lantern 109
Curtain Shutter, A new... 166
Cylinders, Fluid in gas 97, 105
Cylinders, Table for showing quantity of gas in .. 163

Desk, Light for lecturer's 22
Discs and their relation to the lens 40
Dissolver attachment 131
Dissolving with precision, Registration or the art of 112
Dry collodion plates for transparencies 31
"Duplex" regulator 118

"Eclipse" hand camera... 11
Editorial table, 7, 14, 15, 22, 31, 43, 55, 66, 85, 94, 114, 131, 139, 175, 186

PAGE

Effect slides—Metamorphosic 38
Electric incandescent lamp for lantern 102
Electric light, Rival to the 5
Engravings for slides, Copying 2
Enlargements 12
Enlarging apparatus, Shenstone's 65
" Camera 97
" Hints on 52, 62, 73, 84, 92, 102
Entertainments in open air with lantern 54
Etho-oxygen light, Experiments with, 93, 101, 105, 116, 119, 120, 127, 131, 184
Ether-oxygen saturator 56, 67, 78, 104
"Eureka" hand-camera... 19
Exchange of lantern slides 115, 123
" " slides, A scheme of 54
Exhibition, Apparatus, at City 13
" " Cardiff 124
" " Crystal Palace 109
" " Pall Mall 140
Experiments with the optical lantern 6, 12
" with etho-oxygen light, 93, 101, 105, 116, 119, 120, 127, 131, 184
Explosion at Ilkeston 179
" in Africa 140
" of gas bag 67, 77, 86
" of regulator 148, 160

Faces, Washing sitters' 40, 55
Fantoccini slides... 100
Films softening in hot weather, To prevent ... 21
Fittings for cylinders 181
Flame extinguishers and mode of testing 102
Flashes on lantern topics 51, 65, 77, 103, 114
Fluid in gas cylinders 97, 105
Folding tent, A light 66
Fountain and how to make it, An illuminated 111, 128
Frames for screens 75

Gas bag explosions 67, 77, 86
Gas bags, Taps on 7
Gas cylinders, Fluid in 97
Gauges, Precautions with 101
Good Templar Van and Mission 138
"Griffin" hand camera 48
Griffiths's enlarging camera 97
Guinea hand camera 100

Hand cameras for obtaining slides for the lantern :—
"Quadrant" 2
"Eclipse" 11
"Eureka" 19
"Key" 28
"Optimus" 35
"Griffin" 48
"Swinden-Earp" 61

PAGE

Hand cameras (continued) :—
"Collins" 83
"Kodak" 91
"Guinea" 100
"Vanneck" 108
"Chadwick's" 119
"Bonanza" 127
"Repeater" 134
"Marvel" 144
"Talmer" 152
"Omnigraph" 164
Hand cameras, Magazine 123
Haverstock Hill, Scare at 175
Hints and Helps 146, 153, 165
„ for operators 130
„ on enlarging 52, 62, 73, 85, 92, 102
Holiday homes 132
Home-made lantern, A 113
Hospitals, Slides for 86
How I became a lanternist, 74, 84, 93, 111, 129, 135, 157, 166, 182
How to make an illuminated fountain ... 111, 128

Illuminants, Comparison of 19
Illuminated fountain and how to make it ... 111, 128
Incandescent lamps for lanterns, Electric 102
„ light, New form of 178
Inside a regulator 118, 126, 134
Intermediate regulator 64

Jet, A mixing 127
„ wheels sticking, How to remedy 165

"Key" hand camera 28
"Kodak" „ 91

Lamps, Oil 60
„ To obtain best light from 74
Lantern, A binocular 72
„ A home-made 113
„ condensers, triple 90
„ curiosity, A 109
„ Experiments with the 6 12
„ Matters, Novelties in 142, 150
„ Microscope 155
„ Optics of the 121
„ Show, Reminiscences of my first 37
„ Slide, cameras 45
„ Slide making 94
„ Slide work 4. 11, 37
„ Society 4, 23, 148
„ „ a hint for the 39
„ „ Rules of 44
„ Stereoscopic effect with the ... 146, 155, 171, 185
„ topics, flashed on ... 51, 65, 77, 103, 114
„ Transparencies, making, printing and toning 10
Lanternist, How I became a, 74, 84, 93, 111, 128, 135 157, 166, 182
Lanternscope, A single 51
Large objective glasses, advantages of 48
Leach's lantern microscope 167, 186
Lectures for Societies 175
Lecturers, Practical hints to 173
„ Desk, light for 22
Lenses, Large v. small 20
Light, A new oxycalcium 23, 32
„ Rival to the electric 5
Limelight, Substitution for hydrogen for 109
Limes, Perforated 15
„ Turning 131
Lining for lanterns, Asbestos 6

Lost light... 29
Lucigraph, The 136

Magazine hand-cameras 123
Making transparencies 10
Marine signal, A.... 136
"Marvel" hand-camera... 144
Mat trimmers for slides... 20
Meetings of Societies, 7, 15, 23, 45, 56, 68, 79, 86, 96, 115, 123, 139, 158, 174
Metamorphosic effect slides 38
Microscope, Leach's lantern 167, 186
„ lantern 154
Microscopic objects, Photography of 63
Mixing jet, A 127
Music-halls and the lantern 38
Mystery, A 82, 98, 104

Natural colours applied to the lantern, Photography in 75
New form of incandescent light 178
Notes, 1, 9, 17, 25, 33, 47, 59, 71, 89, 99, 107, 117, 125, 133, 141, 149, 161, 177
Notes and Queries, 8, 16, 24, 32, 46, 58, 70, 80, 88, 98, 1 06, 116, 124, 132, 140, 148, 160, 176, 188
"Notes" on "Queries" 184
Novelties in lantern matters 142, 150

Object glasses for lanterns, Advantages of large ... 48
„ „ „ „ Influence of size .. 49
Oil lamps 60
„ lamp, Construction of 77
„ „ To obtain best light from 74
"Omnigraph" hand camera 164
One operation, Transparencies at 28
Open air entertainments 54
Opaque screen 158, 165, 170
Operators, Useful hints for 130
Optical pointer 54, 77
„ lantern, Experiments with the 6, 12
Optics of the lantern 121
Optimus magazine hand camera 35
Our Visits 164, 180
Oxy-calcium light, A new 22, 32
Oxygen from bottle, and hydrogen from main ... 127

Perforated limes 15
Photographers' Benevolent Association 175
Photography in natural colours applied to the lantern 75
Photo-micrographic transparencies 29, 35
Piping lying on floor 130
„ suspended... 131
Plain photographs projected in colours 82
Platinum 165
Pointer, An optical 54, 77
Pops with ether saturators, Cause of 132
Portable opaque screens 159, 165
„ screens 146, 169
Practical hints to lecturers 173
Pressure gauges 101
Printing transparencies 10
Projection, Arc light for 41, 53

"Quadrant," hand camera 2

Reading desk, Light for 22
Registration or dissolving with precision 112
Regulator, An intermediate 64
„ Explosion of a 148, 160
„ Inside a 118, 126, 134

	PAGE
"Reliable" regulator	134
Reminiscences of my first lantern show	36
Repeater hand camera	134
Rival to the electric light, A	5
Rolling curtain effect	187
Saturator, Cause of pops with ether	132
„ Ether oxygen	56, 67, 78, 104
Scare at Haverstock Hill	175
Screen frames	75
Screens	23
„ Opaque	169
„ Portable opaque	159, 165, 170
„ Wanted a portable	146
Scott's saturator, Experiments with	120
Season, Has the lantern a	7
Selections	24, 46, 76, 176
Shenstone's enlarging apparatus	65
Shutter, New brass curtain	166
Signals for changing slides	39
Size of objectives, Influence of	49
Slides, Chromo-Litho	64, 67, 77
„ Colouring	130, 136, 144, 153, 170, 179
„ Copying engravings for	2
„ Exchange, A scheme of	54
„ Exchange of	115, 123
„ Fantoccini	101
„ For hospitals	86
„ Making	37, 94
„ „ by wet collodion process	172
„ „ (Comic)	30
„ „ Work Lantern	411
„ Metamorphosic	38
Small American lanterns	26, 43
Society Meetings	7, 15, 28, 45, 56, 68, 78, 86, 96, 115, 123, 139, 158, 174
Statuary slides, Blocking out	15
„ "Made up"	19
Stereoscopic effect with the optical lantern	146, 155, 171, 185
Substitute for hydrogen for lime-light	109
Success of societies due largely to the lantern	8
Suffering Humanity, The lantern for,	60, 72, 78, 91, 106, 160
"Swinden-Earp" hand camera	61
Table (discs and their relation to lens)	40
„ for ascertaining quantity of gas-cylinders	163
"Talmer" hand-camera	152
Taps on gas-bags	7
Tent, A light folding	66
Toning bromide prints	145
„ transparencies	10, 18
Traill Taylor's triple condenser	183
Transparencies at one operation	28
„ making	37
„ „ toning, and printing	10
„ photomicrographic	29, 35
„ without a lantern, How to enjoy	51
Trimmers for slide mats	20
Triple condensers	90
Van and lantern of Good Templar Mission	138
"Vanneck" hand-camera	108
Verak	82
Visits, Our	164, 180
Washing sitters' faces	40, 55
Zirconia	162

ILLUSTRATIONS.

Automatic ejecting carrier	150
Beard's regulator	126
"Bonanza" hand camera	127
"Chadwick" hand camera	119
"Collins'" hand camera	83
Drayton lamp	7
Dresser's enlarging apparatus	52, 62, 65, 73, 84
Duplex regulator	118
"Eclipse" hand camera	11
Enlarging apparatus	43
Electric incandescent lamp	102
Ether saturator	110
"Eureka" hand camera	19
Exposometer	14
Flash lamp	43, 66, 85
Folding dark tent	150
Folding tent	66
Good Templar van	139
"Griffin" hand camera	49
Grip for tubing	31
Gauge for cylinders	142
"Guinea" hand camera	100
Intermediate regulator	65
"Key" hand camera	28
"Kodak" hand camera	91
Lanternescope	51
Lantern microscope	155
Lucigraph	136
"Marvel" hand camera	144
Mat trimmer	20
Metal binder for slides	142
Nasmyth apparatus	122
"Omnigraph" hand camera	164
Optical pointer	55
"Optimus" hand camera	35
Photometer	152
Plumb indicator	77
"Quadrant" hand camera	3
Registration carriers	112
Reliable regulator	134
"Repeater" hand camera	134
Skeleton lantern	150
Slide clamp	77, 142
Small American lanterns	26, 27
Steward's mixing jet	143
Supplementary gas receptacle	142
"Swinden-Earp" hand camera	61
"Talmer" hand camera	152
"Vanneck" hand camera	108
Verak apparatus	82
Watkins's screen frame	169
Wick trimmer	95